

Recent IBM Patents

The following patents were recently issued by the countries in which the inventions were made.

Canada

949,386 D. H. Knoppke Hand Positionable Printer

France

6,915,337 J. L. Picard Data Transmission System
 6,921,898 A. Croisier Data Transmission System
 6,921,899 H. J. Nussbaumer Data Transmission System
 7,212,014 A. Croisier Demodulating Phase Encoded Signals
 7,238,481 D. G. Hurel Improvements to Multifrequency Receivers
 7,243,277 A. Couder Terminal Interconnection Structure
 7,243,278 M. Choquet Digital Signal Generator
 7,247,140 R. H. Buron, J. P. Kauffmann and C. Friman Audio Visual Information Retrieval System

Germany

1,499,208 C. Hackl Method and Arrangement for Information Processing
 1,549,461 F. Tsui Divide Arrangement
 2,248,557 H. Wetz Method and Device for Making Rods and Tubes of Glass, a Glass-like Material, or any other Thermoplastic Substance

United States

3,820,456 A. D. Wolfheimer Bar Code Printer
 3,820,712 R. K. Oswald Electronic Tachometer
 3,821,033 S. M. Hu Method for Producing Flat Composite Semiconductor Substrates
 3,821,038 G. H. Schwuttke Method for Fabricating Semiconductor Structures with Minimum Crystallographic Defects
 3,821,494 J. A. Besseyre Digital Echo Suppressor with Direct Table Look-up Control by Delta Coded Signals
 3,821,703 E. W. Devore, P. H. Hall and J. W. Irwin Signal Transferring
 3,821,711 R. R. Elam, R. M. Heller and E. I. Muehldorf Self Adaptive Compression and Expansion Apparatus for Changing the Length of Digital Information
 3,821,713 D. Broadhurst and B. B. Moore Multiple-station Receiver-controlled Transmission Loop Interface for Data Transfer and Control Between Data Processing Systems and Subsystems
 3,821,781 C. S. Chang and T. S. Jen Complementary Field Effect Transistors Having P Doped Silicon Gates
 3,821,798 M. R. Cannon Resynchronizable Recording System
 3,821,813 F. R. Freeman, W. R. Golz and W. K. Taylor, Jr. Wasp-waist Head for Flying Flexible Magnetic Storage Medium Over Head
 3,821,815 C. D. Abbott, G. W. Brock, N. L. Robinson, F. B. Shelledy and S. H. Smith Apparatus for Batch-fabricating Magnetic Film Heads and Method Therefor
 3,821,938 J. L. Bacon, C. A. Queener and H. W. Simpson Toner Usage Sensing System
 3,822,372 J. S. Coenen and R. E. Hunt Switching Apparatus for Single Button Hand Microphone
 3,822,404 A. Croisier and V. Riso Digital Filter for Delta Coded Signals
 3,822,929 P. F. Heidrich, L. Kuhn and E. G. Lean Electronically Tunable Optical Filter Using Acoustic Waves
 3,823,016 J. J. Di Fazio, G. J. Giuffre and J. R. Zingerman Photomask Repair Process
 3,823,348 B. Agusta, P. H. Bardell, P. P. Castrucci, R. A. Henle and R. P. Pecoraro Monolithic Integrated Structure Including Fabrication and Package Therefor
 3,823,349 V. A. Dhaka and A. F. Kozik Interconnection Metallurgy System for Semiconductor Devices
 3,823,353 H. H. Berger and S. K. Wiedmann Multilayered Vertical Transistor Having Reach-through Isolating Contacts
 3,823,408 W. M. Gordon, III High Performance Ink Jet Nozzle

3,823,415	G. A. Fisher, D. M. Janssen and D. Stedman	Rotary Magnetic Head Apparatus Having an Air-bearing Supported Head Wheel
3,823,416	M. W. Warner	Flying Magnetic Transducer Assembly Having Three Trials
3,823,665	W. M. Davis and R. E. Yates	Label Printing Machine
3,823,936	F. F. Quist, Jr.	Record Card Receiving and Feeding Apparatus
3,823,948	W. M. Jenkins	Disc Unloading Apparatus
3,824,017	G. T. Galyon	Method of Determining the Thickness of Contiguous Thin Films on a Substrate
3,824,099	R. B. Champ and M. D. Shattuck	Sensitive Electrophotographic Plates
3,824,513	G. T. Webb	Position Indication Apparatus
3,824,561	P. Wolf	Apparatus for Allocating Storage Addresses to Data Elements
3,824,563	F. A. Lutz	Data Storage Track Padding Apparatus
3,824,567	F. E. Sakalay	Magnetic Domain Code Repeater
3,824,580	C. R. Bringol	Gas Panel Matrix Driver
3,824,589	J. G. King	Complementary Offset Binary Converter
3,825,164	F. H. Sarnacki and R. V. Steenstrup	Apparatus for Soldering Printed Circuit Cards
3,825,208	D. H. Johnston, R. Mannheimer, H. O. Rinkleib, I. D. Walker and J. R. Kellner	Cartridge and Storage Apparatus
3,825,437	S. D. Blair	Adhesively Eradicable Transfer Medium
3,825,470	D. L. Elbert and G. A. Waldrip	Adhesively Eradicable Transfer Medium
3,825,726	R. L. Dorr, E. G. Ihnot and M. E. Varner	Multiple Formatting for Record-controlled Machines
3,825,737	A. Croisier	Digital Phase Detector
3,825,772	R. A. Ainsworth	Contact Bounce Eliminator Circuit with Low Standby Power
3,825,776	C. A. Jacquart	Switchable Current Generator
3,825,777	R. J. Braun	Hall Cell with Offset Voltage Control
3,825,791	B. Kazan	Field-effect Storage Tube
3,825,832	A. H. Frei, H. R. Schindler and P. Vettiger	Method and Device for Coding and Decoding Video Signals
3,825,885	R. J. Hendel, T. F. Jamba, Jr., G. E. Keefe and L. L. Rosier	Magnetic Bubble Domain System Having Improved Operating Margins
3,825,893	D. C. Bossen, S. J. Hong, M. Y. Hsiao and A. M. Patel	Modular Distributed Error Detection and Correction Apparatus and Method
3,825,894	A. M. Johnson, Jr.	Self-checking Parity Checker for Two or More Independent Parity Coded Data Paths
3,825,901	B. R. Golnek, Sr. and R. M. Walton	Integrated Diagnostic Tool
3,825,902	W. W. Brown, M. I. Davis and R. M. Pipitone	Interlevel Communication in Multilevel Priority Interrupt System
3,825,903	W. W. Brown	Automatic Switching of Storage Protect Keys
3,825,904	J. L. Burk, D. M. Duffy, S. G. Hogan, Jr., R. H. Larson and B. L. McGilvray	Virtual Memory System
3,825,906	H. C. Hamel, C. A. Kunzinger and W. K. Stelzenmuller	Superconductive Shift Register Utilizing Josephson Tunneling Devices
3,825,926	D. E. Brownback	Interfacing Circuitry for Connecting a Remote Keyboard with a Data Receiving Buffer
3,826,698	I. Antipov and P. A. Melzer	Process for Forming a Pedestal Base Transistor
3,826,813	R. A. Gardner and D. L. Wilcox	Process for the Preparation of Mullite by a Solid State Reaction
3,826,965	C. R. Bringol	Constant Tangential Velocity Motor Control for a Disc Recording System
3,827,628	K. D. Tex, D. F. Jensen, M. J. Ricklefs, F. Saltz, J. J. Schmidt and P. S. Stacy	Pneumatically Controlled Document Card Punch
3,827,908	C. Johnson, Jr. and M. D. Palmer	Method for Improving Photoresist Adherence
3,827,918	T. J. Ameen and N. N. Mesley	Electrical Conductors with Chromate Solder Barrier and Method of Forming
3,827,949	V. Platter and G. C. Schwartz	Anodic Oxide Passivated Planar Aluminum Metallurgy System and Method of Producing
3,828,215	M. S. Bilback	Integrated Packaging Arrangement for Gas Panel Display Device
3,828,326	K. W. Cash	Adapter for Interfacing a Programmable Controller to a Data Processor Channel
3,828,327	N. C. Berglund, J. W. Kerr and J. U. Petrie	Simplified Storage Protection and Address Translation under System Mode Control in a Data Processing System
3,828,354	H. T. Hilton	Ink Drop Charge Compensation Method and Apparatus for Ink Drop Printer
3,828,362	S. K. Au	Binary Signal Data Detection

3,828,667	W. M. Davis and R. E. Yates	Label Printing Machine
3,828,669	E. J. Bonafino, R. L. Gilbert and J. Mako	Print Line Registration Indicator for Type Belt
3,829,372	J. Heller	Multilayer Magnetic Structure and Methods of Making Same
3,829,601	D. A. Jeannotte and A. H. Johnson	Interlayer Interconnection Technique
3,829,840	J. L. Burk, S. G. Hogan, Jr., R. H. Larson and B. L. McGilvray	Virtual Memory System
3,829,855	R. A. Kolpek and J. T. Loiselle	Typing System with Form Programmed Format Control
3,829,896	G. W. Brock, M. R. Cannon and F. B. Shelledy	Bias Means for Batch Fabricated Magnetic Head and Method of Manufacture Thereof
3,830,352	R. A. Kolpek	Articulated Typewriter Frame
3,830,657	P. A. Farrar	Method for Making Integrated Circuit Contact Structure
3,830,963	J. E. Garcia	System for Data Compression by Dual Word Coding Having Photosensitive Memory and Associated Scanning Mechanism
3,830,972	M. M. Siverling and M. G. Wilson	Sensitivity Compensation for a Self Scanned Photodiode Array
3,831,007	J. P. Braun	Non-reproducible Document
3,831,076	M. J. Burke, K. E. Hendrickson, G. L. Mattson and W. D. McNeil	Sector Scanning Control System
3,831,146	A. T. Rundle	Optimum Scan Angle Determining Means
3,831,191	D. E. Gold	Double-head Configuration for Magnetic Disk for Maximum Density Recording
3,831,196	A. C. Thorpe	Magnetic Tape Recording Method and Apparatus
3,831,197	L. R. Beach, B. Junge and H. J. Zentgraf	Article Handling and Data Retrieval
3,831,727	H. R. Kruspe and N. K. Perkins	Pressurizing System for Ink Jet Printing Apparatus
3,831,728	J. W. Woods and K. Yosmali	Ink Jet Printing Apparatus with Overrun of Printhead to Insure Better Visibility
3,831,831	G. B. Flippen, Jr. and J. W. Ward, Jr.	Data Web Guiding Apparatus
3,831,905	M. S. Htoo, C. G. Metreud and H. F. Schmitt	Agitated Reactor for Processing Semiconductor Substrates
3,832,034	H. D. Edmonds	Liquid Crystal Display Assembly
3,832,192	C. M. McIntosh	Ceramic Dielectric Porcelains
3,832,558	R. E. Fern and A. Onton	Automatic Wavelength Tracking System
3,832,574	G. W. Leehan	Fast Insulated Gate Field Effect Transistor Circuit Using Multiple Threshold Technology
3,832,575	S. Dasgupta, D. H. Richter and T. I. Takayesu	Data Bus Transmission Line Termination Circuit
3,832,577	J. D. Harr	Threshold Extraction Circuitry for Noisy Electric Waveforms
3,832,719	J. H. Meier and W. T. Pimbley	Modified Diffused Ink Jet Printer
3,832,734	L. K. Childress, Jr., G. B. Flippen, Jr. and L. M. McDaniels	Cassette Loading and Unloading Apparatus